





Figure 2

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Docket No. 113518

A	B	D	C	E
A	B	D	C	E
A	B	D	C	E
A	B	x	C	E
A	B	x	C	E
A	B	x	y	z
0	B	x	y	z
0	B	x	y	z
0	B	x	y	z

Figure 3A

A	B	D	C	E
3	3	x	0	
2	4	y	5	z 0
1	1	0	0	
3	0			
0				

Figure 3B





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```

for (;;)
{
    /* read number of pattern copies */
    number_copies = sfgetu(ip)
    do
    {
        /* initialize output record
           with low frequency columns */
        memcpy(buf, pat, record_size);
        /* add in high frequency columns */
        for (i = 0; i < high_freq_cols; i++)
        {
            buf[map[i]] = *mix[i];
            mix[i] += inc[i];
        }
        /* write the record */
        sfwrite(op, buf, record_size);
    } while (--number_copies > 0);
    /* get next pattern column
       offset+1 that changes */
    column = sfgetu(ip)
    /* 0 means window is done */
    if (column == 0)
        return 0;
    for (;;)
    {
        /* install the new value */
        pat[column - 1] = *val++
        /* get next offset+1 */
        column = sfgetu(ip);
        /* 0 means changes are done */
        if (column == 0)
            return 0;
    }
}

```

Figure 6

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```

HEADER
{
    magic number  for identification
    record size
    max records per window
    column permutation
    number high frequency columns
    high frequency partition classes
}
WINDOW  one or more windows
{
    number records in window
    0  if no more windows
    HIGH FREQUENCY DATA
    {
        class 0
        class p+1
    }
    LOW FREQUENCY DATA
    {
        number of DIFE values
        DIFE pattern record
        DIFE values
        DIFE DATA  one or more
        {
            repetition count
            0  if no more data
            COLUMN CHANGE LIST
            {
                column offset+1
                0  if end of list
            }
        }
    }
}

```

Figure 7

